

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8372 (1977): Retractor, Alae, Kilner's Pattern [MHD 1: Surgical Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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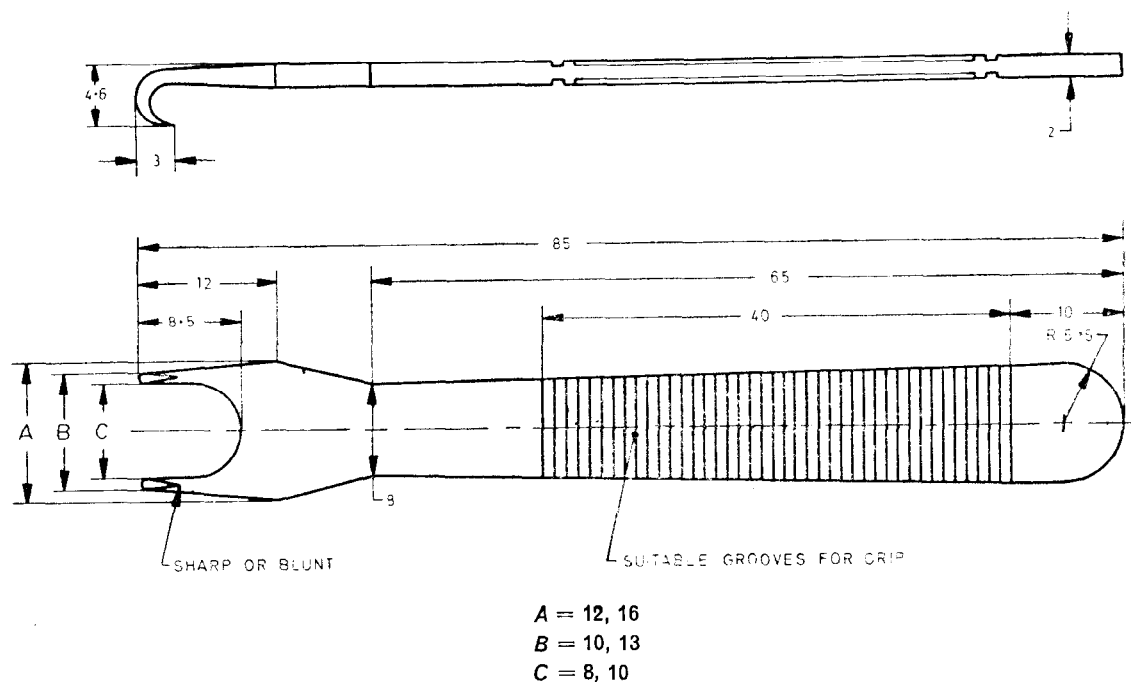




Indian Standard

# SPECIFICATION FOR RETRACTOR, ALAE, KILNER'S PATTERN

1. **Scope** — Dimensional and other requirements for Kilner's pattern alae retractor of 10 mm and 13 mm sizes used in plastic surgery.
2. **Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 RETRACTOR, ALAE, KILNER'S PATTERN

2.1 A deviation of  $\pm 2.5$  percent shall be allowed on all dimensions.

3. **Material** — Stainless steel conforming to Designation 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

## 4. Workmanship and Finish

- 4.1 The retractor shall be free from pits, burrs, cracks, scales and other surface defects.
- 4.2 The pronged ends of hooks shall be either sharp or blunt.
- 4.3 The serrations shall be well formed and clean.
- 4.4 The retractor shall be polished bright and passivated.

5. **Heat Treatment** — The retractor shall be hardened and tempered to give a hardness of 430 to 480 HV.

## 6. Tests

6.1 **Flexibility** — Hold the retractor in a suitable vice so that the hook portion protrudes outside the vice in the downward direction. Apply a force of 50 N at each hook portion and hold it for five minutes. After the test, there shall be no damage to the retractor or take a permanent set.

Adopted 15 February 1977

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**6.2 Corrosion Resistance** — Test the retractor in accordance with IS : 7531-1975 ' Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments '. There shall be no sign of corrosion after the test.

**7. Marking** — Each retractor shall be clearly and indelibly marked with the following:

- a) Manufacturer's name, initials or recognized trade-mark;
- b) The words ' Stainless Steel ' or letters ' SS '; and
- c) Size.

**7.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**8. Packing** — As agreed to between the purchaser and the supplier.